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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,479	09/22/2003	Lawrence Carl Smith	2002B132/2 2938	
23455	7590 11/29	06	EXAMINER	
	OBIL CHEMICA	RABAGO, ROBERTO		
5200 BAYWAY DRIVE P.O. BOX 2149 BAYTOWN, TX 77522-2149			ART UNIT	PAPER NUMBER
			1713	
		DATE MAILED: 11/29/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
Office Action Summary		10/668,479	SMITH ET AL.			
		Examiner	Art Unit			
	•	Roberto Rábago	1713			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status		·				
2a)⊠ 3)□ Dispositi 4)⊠ 5)□ 6)⊠ 7)⊠ 8)□ Applicati 9)⊠	Responsive to communication(s) filed on 15 Set This action is FINAL. 2b) This Since this application is in condition for allowar closed in accordance with the practice under Eston of Claims Claim(s) 1-38 is/are pending in the application. 4a) Of the above claim(s) 19-22 is/are withdraw Claim(s) is/are allowed. Claim(s) 1-16,18 and 23-37 is/are rejected. Claim(s) 17 and 38 is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the	action is non-final. nce except for formal matters, profix parte Quayle, 1935 C.D. 11, 45 on from consideration. r election requirement. r. epted or b) \(\subseteq objected to by the Interpretation and the second contents are second contents.	53 O.G. 213. Examiner.			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notic 3) Infor	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

Specification

1. The amendment to paragraph [0028] is objected to because applicants have incorrectly numbered it as paragraph [0025].

Claim Rejections - 35 USC § 103

- 2. Claims 1-3, 11, 15, 16, 23, 24, 32, 36 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carlson et al. (US 2,508,744) for the reasons set forth in item 2 of the Office action mailed 6/15/2006.
- 3. Claims 1-16, 18, and 23-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shamshoum et al. (US 6,239,058) for the reasons set forth in item 3 of the Office action mailed 6/15/2006.
- 4. Applicants' arguments filed 9/15/2006 have been fully considered but they are not persuasive.

Applicants' argument in traversal of both rejections is based upon the lack of disclosure in either reference to stop the flow and replace a section of conduit during an ongoing polymerization process. However, the claims are not limited to such a process. As was identified in the prior Office action, the claims are wholly unlimited regarding when either the catalyst flow through a conduit is stopped, or when a section of conduit

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is replaced. These steps are not required to be related to an ongoing polymerization. Accordingly, the overall process reads on: (1) performing a propylene polymerization using an apparatus having the claimed flow path, (2) shutting down the reactor, and (3) performing routine maintenance on the system, such as servicing, replacing and upgrading various components of the flow stream. Every polymerization reactor system will require periodic maintenance, and any implication to the contrary in applicants' remarks is entirely without basis. There is nothing in the claims which requires stopping any flow stream or replacing any section during an ongoing polymerization, and therefore applicants' argument directed to this embodiment is irrelevant.

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- 5. Claims 17 and 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art cited on this record has not disclosed or reasonably suggested a polymerization method using a ZN catalyst in a system including the required plumbing configuration.
- 6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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than SIX MONTHS from the mailing date of this final action.

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberto Rábago whose telephone number is (571) 272-1109. The examiner can normally be reached on Monday - Friday from 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Roberto Rábago Primary Examiner Page 4

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RR

November 19, 2006